

Message

From: Liang, Yan Ling [Liang.YanLing@epa.gov]
Sent: 2/18/2021 6:39:27 PM
To: Golden, Paul [Golden.Paul@epa.gov]; Nguyen, Thuy [Nguyen.Thuy@epa.gov]
CC: Qian, Yaorong [qian.yaorong@epa.gov]; French, David [French.David@epa.gov]
Subject: RE: Latest PFAS spreadsheets from QAO

Hey Paul, yes you are correct, there were some last minute changes to the data that I need to update before handing it off for peer review.

From: Golden, Paul <Golden.Paul@epa.gov>
Sent: Thursday, February 18, 2021 1:32 PM
To: Nguyen, Thuy <Nguyen.Thuy@epa.gov>
Cc: Liang, Yan Ling <Liang.YanLing@epa.gov>; Qian, Yaorong <qian.yaorong@epa.gov>; French, David <French.David@epa.gov>
Subject: RE: Latest PFAS spreadsheets from QAO

I don't believe anyone has checked the calculations and done the Peer Review for the Product Data yet.

Is that correct Yan?

Did you do the Analyst Review for the Product Data yet Yan.....and if so, has anyone done the Peer Review yet for the Product Data?

Paul

From: Nguyen, Thuy <Nguyen.Thuy@epa.gov>
Sent: Thursday, February 18, 2021 1:12 PM
To: Golden, Paul <Golden.Paul@epa.gov>
Cc: Liang, Yan Ling <Liang.YanLing@epa.gov>; Qian, Yaorong <qian.yaorong@epa.gov>; French, David <French.David@epa.gov>
Subject: RE: Latest PFAS spreadsheets from QAO

I told Kimberly that the results of the products have changed. She wants us to report them next week with the rinsates, as preliminary data. Please change the spreadsheet to include preliminary date for the products

Thanks

Thuy

From: Golden, Paul <Golden.Paul@epa.gov>
Sent: Thursday, February 18, 2021 12:14 PM
To: Nguyen, Thuy <Nguyen.Thuy@epa.gov>
Cc: Liang, Yan Ling <Liang.YanLing@epa.gov>; Qian, Yaorong <qian.yaorong@epa.gov>; French, David <French.David@epa.gov>
Subject: RE: Latest PFAS spreadsheets from QAO

I have checked the transcriptions on this latest spreadsheet now for the rinsate data only (.....Summary Final 210218 spreadsheet). I have highlighted my checks in **green**. These green highlights (and the key toward the bottom of the spreadsheet) can remain.....or be removed before reporting.

In my opinion, the attached Summary Final spreadsheet is near READY to be sent to the customer.....see my additional comments highlighted below in YELLOW regarding "final.....final issues" still to be addressed with this Summary Final spreadsheet.

I have done some very minor tweaks* to the numbers (0.01 becoming 0.02 or vice versa) , I have made all the flags to the data subscripts.

I have NOT figure out how to remove David's comments on the "Rinse samples" tab of the Summary Final spreadsheet. David's questions/concerns have been addressed (to my knowledge) and I think we can/should remove his comments to this tab.

If we are not reporting the product samples results at this time, the "Product samples" tab can/should be removed from the Summary Final spreadsheet before reporting.....besides, I have not checked anything on this tab, to this point.

Only the Summary Final spreadsheet should be sent to the customer at this time. I have included the other spreadsheet just for reference for anyone who wants to verify the tweaks* I've made to the data since the last round of data checking.

QAO NOTE for the ACB: I have finally resolved in my own head the reason WHY Yaorong DIVIDED the solution concentration found by the instrument.....BY 50.....to arrive at the values we are reporting. The values we are reporting (ng/mL) represent the solution concentration of analytes found in the sample AFTER RINSING AND PRIOR TO SAMPLE EVAPORATION.....and I am OK with that because it clearly states on the Summary Final spreadsheet in the footer that different rinsate volumes were used for the various container/jug/drum sizes tested.....unless there is a different explanation for why Yaorong divided by 50. Yaorong and I just never absolutely discussed his logic for dividing by 50 other than to say that is how the customer wanted the final results.....and again, I could not wrap my head around it earlier.

Paul

I

From: Liang, Yan Ling <Liang.YanLing@epa.gov>

Sent: Wednesday, February 17, 2021 4:57 PM

To: Nguyen, Thuy <Nguyen.Thuy@epa.gov>; Golden, Paul <Golden.Paul@epa.gov>; Qian, Yaorong <qian.yaorong@epa.gov>; French, David <French.David@epa.gov>

Subject: RE: Latest PFAS spreadsheets from QAO

I've added %RSD values and calculations to both excel files.

Paul, please work off of these files tomorrow.

Thanks

Yan

From: Liang, Yan Ling

Sent: Wednesday, February 17, 2021 4:00 PM

To: Nguyen, Thuy <Nguyen.Thuy@epa.gov>; Golden, Paul <Golden.Paul@epa.gov>; Qian, Yaorong <qian.yaorong@epa.gov>; French, David <French.David@epa.gov>

Subject: RE: Latest PFAS spreadsheets from QAO

Ok I will calculate those in the latest spreadsheets. Do you also want them added to the summary sheet Thuy?

Paul, please disregard the spreadsheets I sent you at 3:11pm, I will send you new ones with RSD values included.

Thanks
Yan

From: Nguyen, Thuy <Nguyen.Thuy@epa.gov>
Sent: Wednesday, February 17, 2021 3:46 PM
To: Liang, Yan Ling <Liang.YanLing@epa.gov>; Golden, Paul <Golden.Paul@epa.gov>; Qian, Yaorong <qian.yaorong@epa.gov>; French, David <French.David@epa.gov>
Subject: RE: Latest PFAS spreadsheets from QAO

I calculate the %RSD based previous spreadsheet. We need to revise that now that we have new numbers, When you average the numbers for reported, please calculate %RPD or %RSD so I can report them

Thanks
Thuy

From: Liang, Yan Ling <Liang.YanLing@epa.gov>
Sent: Wednesday, February 17, 2021 3:33 PM
To: Golden, Paul <Golden.Paul@epa.gov>; Qian, Yaorong <qian.yaorong@epa.gov>; Nguyen, Thuy <Nguyen.Thuy@epa.gov>; French, David <French.David@epa.gov>
Subject: RE: Latest PFAS spreadsheets from QAO

I agree with Paul's comment on the standard deviations, I did not calculate those and we only did dups in the 12/30 data with N=2.

From: Golden, Paul <Golden.Paul@epa.gov>
Sent: Wednesday, February 17, 2021 2:50 PM
To: Qian, Yaorong <qian.yaorong@epa.gov>; Nguyen, Thuy <Nguyen.Thuy@epa.gov>; Liang, Yan Ling <Liang.YanLing@epa.gov>; French, David <French.David@epa.gov>
Subject: RE: Latest PFAS spreadsheets from QAO

I am OK with that notation.

Paul

From: Qian, Yaorong <qian.yaorong@epa.gov>
Sent: Wednesday, February 17, 2021 2:48 PM
To: Golden, Paul <Golden.Paul@epa.gov>; Nguyen, Thuy <Nguyen.Thuy@epa.gov>; Liang, Yan Ling <Liang.YanLing@epa.gov>; French, David <French.David@epa.gov>
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For the limitations of the results, how about the following:

All results of the rinsates (reported as ppb, or ng/ml of rinsate) are estimate using the attached method, due to the fact that the values would change depending on the type and the amount of the rinsing solvent, size of containers, rinsing time and temperature, etc.

From: Golden, Paul <Golden.Paul@epa.gov>
Sent: Wednesday, February 17, 2021 2:24 PM
To: Nguyen, Thuy <Nguyen.Thuy@epa.gov>; Liang, Yan Ling <Liang.YanLing@epa.gov>; French, David <French.David@epa.gov>

Cc: Qian, Yaorong <qian.yaorong@epa.gov>

Subject: RE: Latest PFAS spreadsheets from QAO

Thuy,

Here are some of my thoughts to consider in yellow (with the exception of the footnote in yellow on page 2, not sure how/why that's there).

I expect there will also be other flags on the final spreadsheet(s) to be attached.

Obviously we will also need to remove (or edit) any preliminary results verbiage in the final report.

Paul

From: Nguyen, Thuy <Nguyen.Thuy@epa.gov>

Sent: Wednesday, February 17, 2021 11:24 AM

To: Golden, Paul <Golden.Paul@epa.gov>; Liang, Yan Ling <Liang.YanLing@epa.gov>; French, David <French.David@epa.gov>

Cc: Qian, Yaorong <qian.yaorong@epa.gov>

Subject: RE: Latest PFAS spreadsheets from QAO

Paul

Can you send me the report with your comments?

Thanks

Thuy

From: Golden, Paul <Golden.Paul@epa.gov>

Sent: Wednesday, February 17, 2021 11:08 AM

To: Liang, Yan Ling <Liang.YanLing@epa.gov>; French, David <French.David@epa.gov>

Cc: Qian, Yaorong <qian.yaorong@epa.gov>; Nguyen, Thuy <Nguyen.Thuy@epa.gov>

Subject: Latest PFAS spreadsheets from QAO

On the checks and recoveries spreadsheet I have placed flags for CCV and outside calibration range issues.

On the report I have placed some additional comments to consider adding.

Yan, you may need to get the thumb drive to get/find the latest Sciex instrument reports to verify proper integration of the CCV data. I suspect you guys have already looked hard at the Cal Curve data, and the reportable data integrations.

Paul